

12. खालीलपैकी कोणत्या राज्याचे नाव कोणते आहे ?  
 (A) कॅलिफोर्निया कार्बोनेट  
 (B) सॉडियम क्लोराइड  
 (C) मॅग्नेशियम सल्फेट  
 (D) सॉडियम बायकार्बोनेट
13. 'भाजीभाकरी' हा शब्द कोणत्या समाजाचे उदाहरण आहे ?  
 (A) इतरेतर इंद्र (B) समाहार इंद्र  
 (C) वैकल्पिक इंद्र (D) यापैकी नाही
14. आज शुक्रवार आहे. गेल्या आठवड्यातील मंगळवारी 25 ने सारीख होईल. पुढील आठवड्यात शुक्रवारी कोणती तारीख होईल ?  
 (A) 19 जून (B) 4 जून  
 (C) 9 जून (D) 11 जून
15. खालीलपैकी कोणत्या काहीच राज्याघटनेतील मूलभूत कर्तव्यांमध्ये समावेश नाही ?  
 (A) सार्वजनिक मालमतेचे रक्षण करणे  
 (B) देशाचे संरक्षण करणे व आवाहन केल्यास राष्ट्रीय सेवा बजावणे  
 (C) संविधानाचे पालन करणे आणि संविधानात्मक आदर्श व संस्था यांचा आदर राखणे  
 (D) पुरुष आणि स्त्रियांना समान कामासाठी समान वेतन प्रदान करणे
16. 'पात्र' या शब्दाचे निरनिराळे अर्थ खालीलपैकी कोणते ?  
 (i) लायक  
 (ii) भांडे  
 (iii) योग्य  
 (iv) व्यक्तिरेखा  
 (A) वरीलपैकी नाही (B) (i) व (ii)  
 (C) वरीलपैकी सर्व (D) (i), (iii) व (iv)
17. गरज : सुरक्षा :: विमा : ?  
 (A) पैसे (B) पॉलीसी  
 (C) संरक्षण (D) व्याज

D

18. खालीलपैकी कोणत्या जोड्या चुकीच्या आहेत ?  
 राज्य महिला मुख्यामंत्री  
 (i) गुजरात कृपलानी - उत्तर प्रदेश  
 (ii) महिषी शाल्पवी - आंध्र प्रदेश  
 (iii) ममता बॅनर्जी - पश्चिम बंगाल  
 (iv) रामजी देवी - बिहार  
 (v) उमा भारती - छत्तीसगड  
 (A) (i) व (iii) (B) (ii) व (iv)  
 (C) (i) व (iv) (D) (ii) व (v)

19. शुद्धलेखनदृष्ट्या अचूक शब्द ओळखा.  
 (A) प्रतीकूल (B) प्रतिकूल  
 (C) प्रतीकूल (D) प्रतिकूल

20. भारतातील दूरग प्रकाशाची सर्वात मोठी दुरिण कोणत्या ठिकाणी आहे ?  
 (A) नारायणगाव (B) नैनिताल  
 (C) जयपुर (D) श्रीहरीकोटा

21. एका सांकेतिक भाषेत DEAF = 3587 आणि FILE = 7465. तर त्या सांकेतिक भाषेत IDEAL = ?  
 (A) 43568 (B) 43588  
 (C) 48536 (D) 43586

22. 'अ', 'ब' आणि 'क' या तीन भागीदारांनी अनुक्रमे रु. 25,000, रु. 30,000 आणि रु. 15,000 गुंतवून व्यवसायास सुरुवात केली. वर्षाअखेर त्यांना दोन लाख दहा हजार रुपये नफा झाल्यास 'अ' ला किती नफा मिळेल ?  
 (A) 45,000 (B) 60,000  
 (C) 70,000 (D) 75,000

23. इ.स. 1974 साली भारताने कोणत्या ठिकाणी अनुसंधान केली ?  
 (A) श्रीहरीकोटा (B) गुंवा  
 (C) पोखरण (D) जैतापुर

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**LL Leslie**



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web the pattern of stress distribution in the 3d model of the crane hook is obtained using ansys 19.2 software in this present work the obtained stresses by using finite element analysis and the winkler batch method in different cross sections are compared to reduce the stress formed in sections by changing its design

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web condition a solid model of crane hook is prepared with the help of abaqus software real time pattern of stress concentration in 3d model of crane hook is obtained the stress distribution pattern is verified for its correctness on an acrylic model of crane hook using shadow optical method caustic method setup

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web 7 stress in crane hook the crane hook is a curved bar subjected to direct stress bending stress 8 resultant stress at inner surface of crane hook 2 mm n mm 2 n mm 9 resultant stress at outer surface of crane hook the resultant stress at inner surface is additional of

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web jan 1 2021 real time pattern of stress concentration in 3d model of crane hook is obtained the stress distribution pattern is verified for its correctness on an acrylic model of crane hook using

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web stress on crane hook depends upon various geometric variables as well as material properties in this analysis the material properties of hook kept constant throughout the analysis and stress is to be reduced by varying different geometric parameters

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web jan 10 2022 the most stressed part of the crane hook is the curved inner surface this surface is considered critical in terms of strength the goal of this paper is to select a suitable crane hook

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web analysis of these hooks to determine the areas with high stress i.e failure points and those with low stresses these are potential points for material removal weight reduction and reduced costs

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web bending stresses combined with tensile stresses weakening of hook due to wear plastic deformation due to overloading and excessive thermal stresses are some of the other reasons for failure hence continuous use of crane hooks may increase the magnitude of these stresses and eventually result in failure of the hook

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web nov 12 2018 the stress analysis of a hook crane submitted to some vertical static force is a simple fem problem  
approached here using solidworks simulation software